

MUNTASIR MD NAFIS

Data Analyst

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PROFESSIONAL SUMMARY

Graduate data analyst with industry experience in financial data systems and a Master of Business Analytics from Macquarie University. Proficient in SQL, Python, Power BI, Tableau, and AWS Athena to build ETL processes, dashboards, and reports that support business decision-making. Combines analytical rigour with structured problem-solving to translate complex data into actionable recommendations

KEY SKILLS

- SQL (MySQL, PostgreSQL) | Schema Analysis | Data Modelling | ETL Processes | Data Quality and Validation
- Python (Pandas, NumPy, Scikit-learn) | Statistical Analysis | Time-series Analysis | Exploratory Data Analysis | Data Wrangling
- Power BI (Desktop and Service) | DAX | Power Query | Tableau | Excel | Business Intelligence Reporting | Dashboard Development | Stakeholder Communication

EDUCATION

Master of Business Analytics | Runner Up, Capstone Competition 2025 Feb 2024 to Jan 2026
Macquarie Business School, Sydney

WORK EXPERIENCE

Data Analyst Intern | Payreq | Haymarket, Sydney, NSW Jul 2026 to Present

- Analysed a complex multi-table production database schema to reconstruct entity relationships and data flows.
- Mapped table-to-table relationships across multiple functional domains, classifying relationship types to guide accurate query design and ensure correct data joins before building reporting outputs.
- Authored PostgreSQL queries to answer critical business questions, then translated results into Tableau dashboards with appropriate dimensions, measures, and aggregations.
- Assessed data completeness across key business metrics using structured JOIN based testing to detect and quantify gaps in production data, ensuring data quality issues were surfaced and resolved before reaching reporting dashboards.

PROJECTS

[NEM Carbon Intensity Analytics](#) | Python | Pandas | Matplotlib 2025, Capstone Runner Up

- Built an ETL pipeline processing 6 years of National Electricity Market data across 5 regions, applying data quality validation and timestamp reconciliation at each stage. Quantified regional emission shares (VIC 31%, NSW 26.9%, QLD 25.9%) and identified peak emission windows to support energy procurement and policy recommendations.

[Urban Eats SQL Analytics](#) | SQL | MySQL | Database Design 2025

- Designed a 12 entity relational database for a three-outlet Sydney cafe chain covering sales, staffing, reservations and customer behaviour. SQL queries identified Campus as generating 78% less revenue than Central (\$58.60 vs \$269), flagged its 40% reservation completion rate as the primary churn risk, and surfaced shift utilisation gaps across 30 shifts to support outlet-level operational decisions.

[Dead Stock Prediction System](#) | Python | Scikit-learn | Feature Engineering 2025

- Built an end to end predictive analytics pipeline on 3,000 real inventory records from an Australian manufacturing retailer, processing 31 input variables with missing value imputation and categorical encoding. Achieved 99.8% Random Forest test accuracy and deployed a live Streamlit application that scores dead stock risk in real time, surfaces key risk drivers, and calculates AUD value at risk to support inventory decision-making

[Australian Population Trends Dashboard](#) | Power BI | DAX | Power Query 2025

- Built Power BI dashboards on 20 years of ABS Census data across all Australian states, engineering DAX measures and Power Query transformations to surface 8.28% national population growth and key demographic KPIs. Delivered a star schema data model to support infrastructure and resource planning

decisions.

TOOLS AND TECHNOLOGIES

Power BI | DAX | Power Query | SQL | MySQL | PostgreSQL | Python | Pandas | NumPy | Scikit-learn | Matplotlib | Seaborn | SciPy | Tableau | Excel | Git | GitHub | Jupyter Notebook | AWS Athena

REFERENCES

Available upon request.